SERVICE MANUAL

FOR

MODEL SSP-371-D

STAINLESS STEEL PANEL ELEVATOR TELEPHONE

EQUIPPED WITH ATD-11

AUTOMATIC TONE DIALER

Serving the Telephone Industry Since 1930

Communication Equipment
& Engineering Company

519 W South Park Street
Okeechobee, FL 34972
Voice: 863-357-0798
Fax: 863-357-0006

IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	MODEL SSP-371-D STAINLESS STEEL PANEL ELEVATOR TELEPHONE EQUIPPED WITH ATD-11 AUTOMATIC TONE DIALER.
SERIAL NUMBER	
DATE MANUFACTURED	
LOCATION INSTALLED	

For us to better serve you, please have this information available when calling for technical support.

CEECO
Communication Equipment & Engineering Company

519 W South Park Street
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863-357-0798- telephone
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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for the Model SSP-371-D Stainless Steel Panel Elevator Telephone.

The information in this manual is subject to change without notification.

For information not included in this manual, please call or write:

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2.0 GENERAL DESCRIPTION

The CEECO Model SSP-371-D Elevator Telephone is a Special Service Telephone designed for elevator installations. The telephone is designed to be installed in recessed mounting locations, and still be attractive and vandal resistant. The telephone is a stainless steel panel-type and can be purchased with an optional mounting box. The telephone is equipped with an ATD-11 automatic tone dialer and a magnetic coiled cord handset. Each time the handset is lifted, the telephone automatically dials a preprogrammed number of up to eleven (11) digits in length. An audible ringer indicates an incoming call. Normal telephone conversation can take place once the call is connected. When the calls is terminated, the handset is returned to the cradle. Please note that the preprogrammed digits dial out even when answering an incoming call. This will have no ill affect on the call.

3.0 PROGRAMMING

NOTE: It is recommended that you ground yourself to prevent ESD damage to the PCB(s).

3.1 **Please refer to the diagram on the last page of this manual for mini-jumper location and positioning.** Programming is accomplished by position plastic hardware mini-jumpers in the proper positions for the desired calling pattern. The mini-jumpers are designed to bridge pairs of copper pins to activate the desired dialing pattern.

3.2 Locate the printed circuit board mounted on the reverse side of the stainless steel panel. It may be necessary to first remove the four security screws (CEECO P/N 301-064 must be used) if the telephone came mounted in the optional mounting box.

3.3 If the number to be programmed is a (1+) call, position the J1 mini-jumper on the "1+" position, bridging the left and center copper pins. This will cause the digit "1" to be dialed in front of the other programmed digits. If the number to be programmed is a local call, position the J1 mini-jumper on the "B" position, bridging the center and right copper pins.

3.4 If a 3 digit area code is to be dialed, the J3 mini-jumper **must** be set to the "11" position, bridging the center and left copper pins. If the number being dialed does not require the area code, position the J3 mini-jumper on the "8" position, bridging the center and right copper pins.

3.5 Set each mini-jumpers on the A-K matrix board to correspond to the digits of the number to be dialed. Beginning with column “A” at the top, position the plastic mini-jumper to bridge the pair of copper pins correspond to the desired digit (1-0). Proceed in the same manner, from left to right, until all desired digits are programmed. Do not skip any columns, as the digits must be represented in an unbroken string. Any unused mini-jumpers **must** be removed from the board to ensure proper dialing. Do not discard the unused jumpers, as they may be needed for future use. It is recommended that they be taped or otherwise secured somewhere nearby, within the device.

3.6 Be sure each mini-jumper is properly positioned to make good contact and dial the intended number.

PROGRAMMING CONTINUED…

3.7 In most installations, the J2 mini-jumper will remain in the "1" position, bridging the center and left copper pins. If dial tone delivery is delayed by more than one second; however, then J2 will have to be set in the "3" position. A simple test would be as follows: once the telephone is connected to the intended telephone line, temporarily remove the J2 mini-jumper. As accurately as possible, measure the time delay between the moment the handset is lifted and the moment the phone receives dial tone. Try it several times. If this time is consistently 1 second or less, position the J2 jumper on the "1" position. Otherwise position the J2 jumper on the "3" position to set the delay before dialing to 3 to 4 seconds.

4.0 OPERATION

When the telephone is connected to a working telephone line, it will automatically dial the preprogrammed number each time the handset is lifted. When the handset is lifted initially, the telephone will delay for dial tone, as programmed. It will then dial the preprogrammed number. Once the call is connected, a normal telephone conversation can take place. When the call is completed, the handset is returned to the cradle. When an incoming call is received, the preprogrammed number will still dial out when the handset is lifted. This will be brief and should be ignored, as it will have no ill affect on the phone call.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter
1/4∀ Nut Driver
Flat Blade Screw Driver
Security Tool (**sold separately**)- CEECO P/N 301-037

6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

6.1 The SSP-371-D is designed to be installed in a recessed mounting location or box with dimensions of approximately 6 7/8∀W x 9 3/4∀H x 3∀D or greater. CEECO part number 371-011 is a mounting box, which is well suited for this purpose. Four mounting holes are required inside the selected mounting for the telephone. If the holes are not tapped, then self-tapping screws should be used when mounting the panel. It is best to use the security screws, which do require tapped mounting holes. The security tools are vandal resistant and require a special security tool to install and remove them.

6.2 Mount the two mounting support brackets provided to the mounting being utilized. Route the inside station wire and terminate to an RJ11C modular jack or terminal block.

6.3 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.

6.4 Plug the modular line cord from the telephone assembly into the RJ11C modular jack or terminal block. Dress the line cable away from the mounting holes. Install the telephone assembly by placing it into its mounting/box and securing it with the four security screws.

*******WARNING*******

A. Never install telephone lines during a lightning storm.

B. Never install telephone jacks in wet locations, unless the jack is specifically designed for wet locations.

C. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

D. Use caution when installing or modifying telephone lines.

7.0 TESTING

7.1 Connect the phone to the intended working telephone line.

7.2 Lift the handset. The telephone should delay long enough for dial tone and then dial out the preprogrammed number.

7.3 Once the call is connected, a normal telephone conversation should be able to take place.

7.4 When the call is completed, hang up the telephone by returning it to the cradle.

7.5 From another phone, place a call to the SSP-371-D telephone.

7.6 Verify that the ringer is working.

7.7 Lift the handset and check that normal phone conversation is allowed. Remember that the preprogrammed number will still dial out when the handset is lifted. This should be ignored and a normal conversation should be possible after the brief dialing period.

7.8 If any problems are experienced, please review sections 3.0 and 6.0. If trouble still persists, please refer to section 11.2 of this manual.

8.0 SPECIFICATIONS

INPUT POWER:	C.O. Line Powered
LOOP CURRENT:	23 mA min. to 80 mA max.
IMPEDANCE:	600 ohms
SIGNALING:	DTMF, 70ms tone, 50ms spacing
HEARING AID COMPATIBILITY:	Meets EIA standards
ENVIRONMENTAL:	Temperature 0ºC to 50ºC Humidity 20%-90% non-condensating
TELEPHONE PANEL:	Brushed 16 gauge stainless steel
DIMENSIONS:	6 7/8∀W x 9 3/4∀H x 3∀D (handset on hook)
MOUNTING:	Vertical surface or enclosure mount
WEIGHT:	Approximately 4 lb.
RINGER EQUIVALENCY:	0.8A
FCC REGISTRATION NO.:	BW-88T7-13717-TE-T
UL LISTED NO.:	60F5
TYPE JACK:	RJ11C

9.0 PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	350-169	ATD-11 Automatic Tone Dialer
1	371-014	Handset with coiled cord & magnetic plate
1	928-001	Strain relief bushing
1	401-009	Ringer
1	301-009	Network
1	945-001	Magnetic reed switch assembly
1	341-018	Modular cord
1	371-003	Stainless steel panel
2	371-009	Mounting support bracket
4	406-019	10-32 x 1/2" Security Screws

OPTIONAL

	730-103	Model 730-LNB MBTD
	371-011	Mounting box
	371-012	Frame assembly for mounting box
	406-019	10-32 x ½” Security screw (4 req’d)
	301-037	Security tool

10.0 FCC NOTICE

10.1 FCC REGISTRATION AND REPAIR INFORMATION

Your new telephone has been registered with the Federal Communication Commission (FCC) in accordance with Part 68 of its rules. The FCC requires that you be advised of certain requirements involving the use of this telephone.

10.2 CONNECTION AND USE WITH THE NATIONWIDE TELEPHONE NETWORK

The FCC requires that you connect this telephone to the Nationwide Telephone Network through a registered jack provided by the Telephone Company in your area. This jack is a modular outlet, which you can order from your local telephone company.

10.3 NOTIFICATION TO THE TELEPHONE COMPANY

Before connecting this telephone, the FCC requires that you notify your local telephone company business office. The number is in the front of your phone book.

Tell them:

The "line" to which you will connect the telephone (that is, your phone number), the telephone's FCC registration number and ringer equivalence number. These numbers are listed in section 7.0

The FCC further requires that you notify your local telephone company when permanently disconnecting this telephone.

11.0 REPAIR AND RETURN INFORMATION

11.1 WARRANTY REPAIR

Any device returned requiring warranty service, repair or credit must be accompanied with a "Return Material Authorization" (RMA) FORM. It must include: return shipping instructions, original purchase order number and special marking instruction. A description of the trouble observed must be attached to the defective unit. This information must be inside the shipping container.

11.2 DIRECT ALL INQUIRES TO:

CEECO
Repair Department
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

11.3 NON-WARRANTY REPAIR

CEECO will repair equipment out of warranty for a set charge plus parts. The customer must pay the shipping costs for both directions.

11.4 RETURN FOR CREDIT

Material may be returned for credit only with prior approval. Material authorized for return is subject to a 20% restocking charge based on the manufacturer's list price. Return Material Authorization must be requested no later than 30 days after original shipment.

12.0 WARRANTY POLICY

12.1 GENERAL

CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable for loss, damage, cost of repair, or consequential damages of any kind which have been caused by neglect, abuse, acts of GOD, or improper operation of equipment.

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse, neglect, acts of GOD, or improper operation. It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return the unit to the buyer free of charge.

12.2 PRINTED CIRCUIT BOARDS

Printed circuit boards should not be field repaired. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.

13.0 PROGRAMMING DIAGRAM

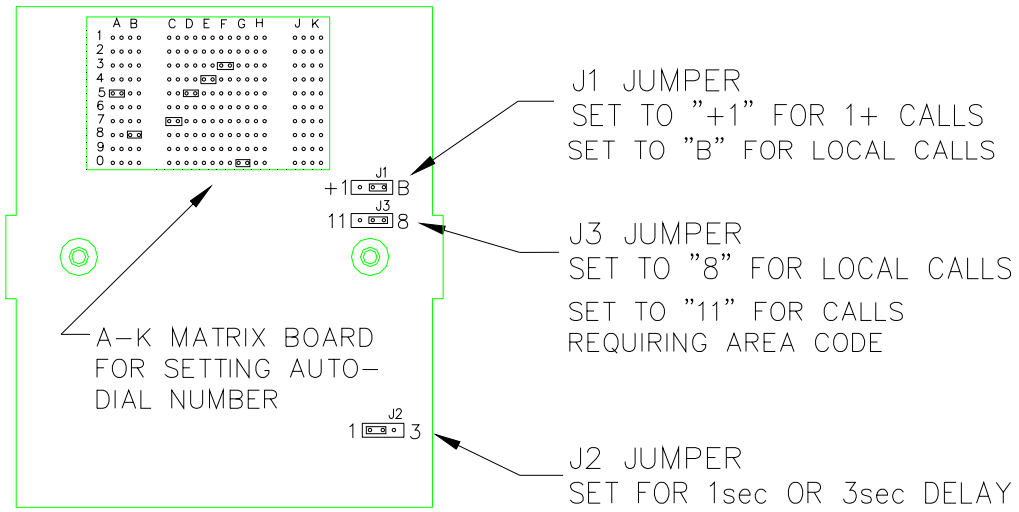

ILLUSTRATION DEPICTS SETTINGS WHICH WILL AUTO DIAL THE LOCAL NUMBER 587–5430 WITH A NORMAL 1 SEC. DIAL TONE DELAY.

NOTE: UNUSED JUMPERS MUST BE REMOVED FROM BOARD.
RETAIN THEM FOR FUTURE USE.

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ATD–11 PCB

AUTOMATIC TONE DIALER